

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---------------------------|------------------|---------|------------------|
| S2    | 3     | (ai-takaharu.in.)   | US-PGPUB; USPAT           | OR               | ON      | 2009/03/20 17:38 |
| S1    | 1     | 10/559908   | US-PGPUB; USPAT           | OR               | ON      | 2009/03/20 17:38 |
| S4    | 26    | matsushita.as. and (dma (defect\$3 adj1 manag\$5 adj1 area)) and (defect \$3 with attribute)  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 17:40 |
| S3    | 39    | matsushita.as. and (defect\$3 with attribute)   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 17:40 |
| S5    | 26    | matsushita.as. and (spar \$3 near3 (area region)) and (dma (defect\$3 adj1 manag\$5 adj1 (area region))) and (defect\$3 with attribute)                                 | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 17:41 |
| S6    | 67    | (spar\$3 near3 (area region)) and (dma (defect \$3 adj1 manag\$5 adj1 (area region))) and (defect\$3 with attribute)  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 17:50 |
| S7    | 41    | S6 not S5   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 17:51 |
| S9    | 56461 | (re\$1format\$4 re \$1initializ\$5)   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 18:02 |
| S8    | 38888 | re\$1format\$4  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 18:02 |
| S10   | 251   | (re\$1format\$4 re \$1initializ\$5) and ((dma (defect\$3 near2 manag \$5 near2 (area region))) same ((substitute spare) near3 (area region address location position))) | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2009/03/20 18:04 |

|     |     |   |                           |    |    |                  |
|-----|-----|---|---------------------------|----|----|------------------|
| S11 | 221 | ((re\$1format\$4 re \$1initializ\$5) same (defect\$3)) and ((dma (defect\$3 near2 manag \$5 near2 (area region))) same ((substitute spare) near3 (area region address location position)))  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:06 |
| S12 | 12  | ((re\$1format\$4 re \$1initializ\$5) same (defect\$3)) and ((dma (defect\$3 near2 manag \$5 near2 (area region))) same ((substitute spare) near3 (area region address location position information data))) and ((re\$1format\$4 format\$4 re\$1initializ\$5 initializ\$5) same ((clear\$3 eras\$3) near3 ((substitute spare) near3 (area region address location position information data))))                 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:34 |
| S14 | 72  | S13 not S12   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:46 |
| S13 | 84  | ((dma (defect\$3 near2 manag\$5 near2 (area region))) same ((substitute spare) near3 (area region address location position information data))) and ((re\$1format\$4 format\$4 re\$1initializ\$5 initializ\$5) same ((clear\$3 eras\$3) near3 (dma (defect\$3 near2 manag\$5 near2 (area region)) (defect\$3 near3 list) ((substitute spare) near3 (area region address location position information data))))) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:46 |

|     |    |   |                           |    |    |                  |
|-----|----|---|---------------------------|----|----|------------------|
| S15 | 30 | ((dma (defect\$3 near2 manag\$5 near2 (area region))) same ((substitute spare) near3 (area region address location position information data))) and ((re\$1format\$4 format\$4 re\$1initializ\$5 initializ\$5) same ((clear\$3 eras\$3) near3 (dma (defect\$3 near2 manag\$5 near2 (area region)) (defect\$3 near3 list) ((substitute spare) near3 (area region address location position information data)))))) and (re\$1format\$4 re\$1initializ\$5)     | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:47 |
| S16 | 18 | S15 not S12   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 18:48 |
| S17 | 30 | ((dma (defect\$3 near2 manag\$5 near2 (area region))) same ((substitute spare) near3 (area region address location position information data))) and ((re\$1format\$4 format\$4 re\$1initializ\$5 initializ\$5) same ((clear\$3 eras\$3) near3 (dma dfl (defect\$3 near2 manag\$5 near2 (area region)) (defect\$3 near3 list) ((substitute spare) near3 (area region address location position information data)))))) and (re\$1format\$4 re\$1initializ\$5) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 19:01 |
| S18 | 1  | "20020007472".pn.   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 19:03 |

|     |       |  |                           |    |    |                  |
|-----|-------|--|---------------------------|----|----|------------------|
| S19 | 32    | ((dma (defect\$3 near2 manag\$5 near2 (area region))) same ((substitute spare) near3 (area region address location position information data))) and ((re\$1format\$4 format\$4 re\$1initializ\$5 initializ\$5) same ((delet\$3 clear\$3 eras\$3) near3 (dma (defect\$3 near2 manag \$5 near2 (area region)) (defect\$3 near3 list) ((substitute spare) near3 (area region address location position information data)))))) and (re\$1format\$4 re \$1initializ\$5) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 19:10 |
| S20 | 2     | S19 not S17  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/20 19:11 |
| S25 | 27    | S22 and S23  | US-PGPUB; USPAT           | OR | ON | 2009/03/27 12:57 |
| S24 | 54    | S21 and S23  | US-PGPUB; USPAT           | OR | ON | 2009/03/27 12:57 |
| S23 | 56591 | (re\$1format\$4 re \$1initializ\$5)  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/27 12:57 |
| S22 | 408   | "369".clas. and (defect\$3 near5 (attribute descript \$3 ((type kind) near3 (identif\$7 flag byte parameter information data))))   | US-PGPUB; USPAT           | OR | ON | 2009/03/27 12:57 |
| S21 | 663   | "369".clas. and (defect\$3 with (attribute descript\$3 ((type kind) near3 (identif \$7 flag byte parameter information data))))  | US-PGPUB; USPAT           | OR | ON | 2009/03/27 12:57 |
| S27 | 45    | "369".clas. and ((defect \$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) same (re \$1format\$4 re\$1initializ \$5 format\$4 initializ\$5))  | US-PGPUB; USPAT           | OR | ON | 2009/03/27 12:58 |

|     |      |  |                        |    |    |                  |
|-----|------|--|------------------------|----|----|------------------|
| S26 | 0    | "369".clas. and ((defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) same (re \$1format\$4 re\$1initializ\$5))   | US-PGPUB; USPAT        | OR | ON | 2009/03/27 12:58 |
| S28 | 1    | ("20010043525").PN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/03/27 16:54 |
| S29 | 133  | (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) and (re\$1format\$4 re \$1initializ\$5)  | US-PGPUB; USPAT        | OR | ON | 2009/03/27 17:17 |
| S30 | 41   | (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) and ((re\$1format\$4 re \$1initializ\$5) same (defect\$3 diff dma))  | US-PGPUB; USPAT        | OR | ON | 2009/03/27 17:18 |
| S31 | 2171 | ("369" "714").clas. and ((re\$1examin\$5 repair\$3 inspect\$3 examin\$5 eliminat\$3 remov\$3) near3 (defect\$3))   | US-PGPUB; USPAT        | OR | ON | 2009/03/27 17:38 |
| S32 | 40   | ("369" "714").clas. and ((re\$1examin\$5 repair\$3 inspect\$3 examin\$5 eliminat\$3 remov\$3) near3 (defect\$3) near5 (still "no longer" fix\$3))  | US-PGPUB; USPAT        | OR | ON | 2009/03/27 17:39 |
| S34 | 6    | ("369" "714").clas. and ((re\$1examin\$5 repair\$3 inspect\$3 examin\$5 eliminat\$3 remov\$3) near3 (defect\$3)) and (re \$1format\$4 re\$1initializ\$5) and (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) | US-PGPUB; USPAT        | OR | ON | 2009/03/27 17:40 |

|     |     |   |                 |    |    |                  |
|-----|-----|---|-----------------|----|----|------------------|
| S33 | 158 | ("369" "714").clas. and ((re\$1examin\$5 repair\$3 inspect\$3 examin\$5 eliminat\$3 remov\$3) near3 (defect\$3)) and (re\$1format\$4 re\$1initializ\$5)   | US-PGPUB; USPAT | OR | ON | 2009/03/27 17:40 |
| S35 | 177 | ("369" "714").clas. and ((re\$1examin\$5 repair\$3 inspect\$3 examin\$5 eliminat\$3 remov\$3) near3 (defect\$3) and (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data)))) | US-PGPUB; USPAT | OR | ON | 2009/03/27 17:41 |
| S39 | 12  | ("369").clas. and ((re\$1evaluat\$3 re\$1examin\$5 re\$1inspect\$3 confirm\$3) near3 defect\$3) and (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data))))                 | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:42 |
| S38 | 55  | ("369").clas. and ((re\$1evaluat\$3 re\$1examin\$5 re\$1inspect\$3 confirm\$3) near3 defect\$3)   | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:42 |
| S37 | 22  | ("369" "714").clas. and ((re\$1evaluat\$3 re\$1examin\$5 re\$1inspect\$3 confirm\$3) near3 defect\$3) and (defect\$3 near5 (attribute descript\$3 ((type kind) near3 (identif\$7 flag byte parameter information data))))           | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:42 |
| S36 | 124 | ("369" "714").clas. and ((re\$1evaluat\$3 re\$1examin\$5 re\$1inspect\$3 confirm\$3) near3 defect\$3)   | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:42 |
| S40 | 4   | ("369").clas. and ((re\$1evaluat\$3 re\$1examin\$5 re\$1inspect\$3 (confirm\$3 near3 (existence presence presense))) near3 defect\$3)   | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:48 |

|     |      |   |                 |    |    |                  |
|-----|------|---|-----------------|----|----|------------------|
| S41 | 219  | ("369").clas. and (re \$1format\$4)   | US-PGPUB; USPAT | OR | ON | 2009/03/27 18:56 |
| S42 | 6    | ("20020049937"   "20030210627"   "5303219"   "6049515"   "6160778"   "6526522"). PN.  | US-PGPUB; USPAT | OR | ON | 2009/03/27 19:41 |
| S43 | 2    | ("20020049937"   "20030210627"   "5303219"   "6049515"   "6160778"   "6526522"). PN. and (re\$1format\$4 re \$1initializ\$5)  | US-PGPUB; USPAT | OR | ON | 2009/03/27 19:48 |
| S45 | 15   | (re\$1format\$4 re \$1initializ\$5) and (dma (defect\$3 near3 management near3 (area region)))  | EPO; JPO        | OR | ON | 2009/03/30 00:01 |
| S44 | 1791 | (re\$1format\$4 re \$1initializ\$5)   | EPO; JPO        | OR | ON | 2009/03/30 00:01 |
| S47 | 64   | ("360" "714" "369").clas. and (((replacement substitut \$3) near3 (area region sector location)) near5 (eras\$3 re\$1format \$4 re\$1initializ\$5 clear \$3))       | US-PGPUB; USPAT | OR | ON | 2009/03/30 00:33 |
| S46 | 34   | "369".clas. and (((replacement substitut \$3) near3 (area region sector location)) near5 (eras\$3 re\$1format \$4 re \$1initializ\$5 clear\$3))                     | US-PGPUB; USPAT | OR | ON | 2009/03/30 00:33 |
| S48 | 11   | ("20030210627"   "20040071056"   "20040145980"   "5111444"   "5715221"   "6160778"   "6336202"   "6367038"   "6385148"   "6526522"   "6963523"). PN.                | US-PGPUB; USPAT | OR | ON | 2009/03/30 00:50 |
| S50 | 51   | ("369").clas. and (((replacement substitut \$3) near3 (area region sector location)) near5 (dumm\$3 empty blank eras\$3 re\$1format\$4 re \$1initializ\$5 cleared)) | US-PGPUB; USPAT | OR | ON | 2009/03/30 01:08 |

|     |     |   |                           |    |    |                  |
|-----|-----|---|---------------------------|----|----|------------------|
| S49 | 91  | ("360" "714" "369").clas. and (((replacement substitut\$3) near3 (area region sector location)) near5 (dumm\$3 empty blank eras\$3 re\$1format \$4 re\$1initializ\$5 cleared))  | US-PGPUB; USPAT           | OR | ON | 2009/03/30 01:08 |
| S51 | 19  | \$50 not S46  | US-PGPUB; USPAT           | OR | ON | 2009/03/30 01:09 |
| L2  | 0   | "369".clas. and (((record \$3 writ\$3 generat\$3 fill \$3) near3 dumm\$3) with (re\$1format\$4 re \$1initializ\$5))   | US-PGPUB; USPAT           | OR | ON | 2009/03/30 10:12 |
| L3  | 168 | "369".clas. and (((record \$3 writ\$3 generat\$3 fill \$3) near3 dumm\$3) with (format\$4 re\$1format\$4 re\$1initializ\$5 initializ\$5))   | US-PGPUB; USPAT           | OR | ON | 2009/03/30 10:13 |
| L4  | 83  | "369".clas. and (((record \$3 writ\$3 general\$3 fill \$3) near3 dumm\$3) same (format\$4 re \$1format\$4 re\$1initializ \$5 initializ\$5) same (((record\$3 writ\$3) near3 (instruct\$3 command (user near3 data)))) ) | US-PGPUB; USPAT           | OR | ON | 2009/03/30 10:14 |
| L6  | 2   | ("20020049937"   "20030210627"   "5303219"   "6049515"   "6160778"   "6526522"). PN. and (dumm\$3)  | US-PGPUB; USPAT           | OR | ON | 2009/03/30 10:19 |
| L7  | 10  | sumiya-noriyuki.in.   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/03/30 10:23 |

3/30/2009 11:24:27 AM

C:\ Documents and Settings\ MBattaglia\ My Documents\ EAST\ Workspaces\ 10559908.wsp